Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/30/2019 09:30 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124090	-1	2.01	124149	2.08
Blue	F	SSC	125000	124628	-1	1.76	125400	1.78
Blue	E	FITC	16433	15915	-4	2.61	348	19.85
Blue	D	PE	27595	27432	-1	1.84	597	14.46
Blue	B	PerCP-Cy5-5	43183	42793	-1	3.48	1146	19.78
Blue	A	PE-Cy7	31943	32427	1	5.70	619	40.12
Red	C	APC	42819	42506	-1	2.44	1506	11.64
Red	A	APC-Cy7	31261	30665	-2	2.30	814	11.31
Violet	B	V450	6527	6279	-4	4.52	352	13.20
Violet	A	V500	24533	23836	-3	4.24	557	10.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17712	9.82	612	12	N/A	N/A	Pass
Blue	F	SSC	56821	1.17	554	6	N/A	N/A	Pass
Blue	E	FITC	64	60.65	539	0	0.0195	57	Pass
Blue	D	PE	125	48.27	537	3	0.1659	254	Pass
Blue	B	PerCP-Cy5-5	211	48.06	650	8	0.0096	41	Pass
Blue	A	PE-Cy7	116	96.37	698	9	0.0111	8	Pass
Red	C	APC	357	24.79	577	-6	0.0273	216	Pass
Red	A	APC-Cy7	180	27.92	556	-7	0.0065	1368	Pass
Violet	B	V450	54	55.90	452	-3	0.0452	1489	Pass
Violet	A	V500	83	30.29	464	-3	0.0234	357	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.54	-32.69	0.90
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.46
Red	17.63	13.60 - 20.40	N/A	N/A	29.93	30.70	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10443

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments